

Figure 1

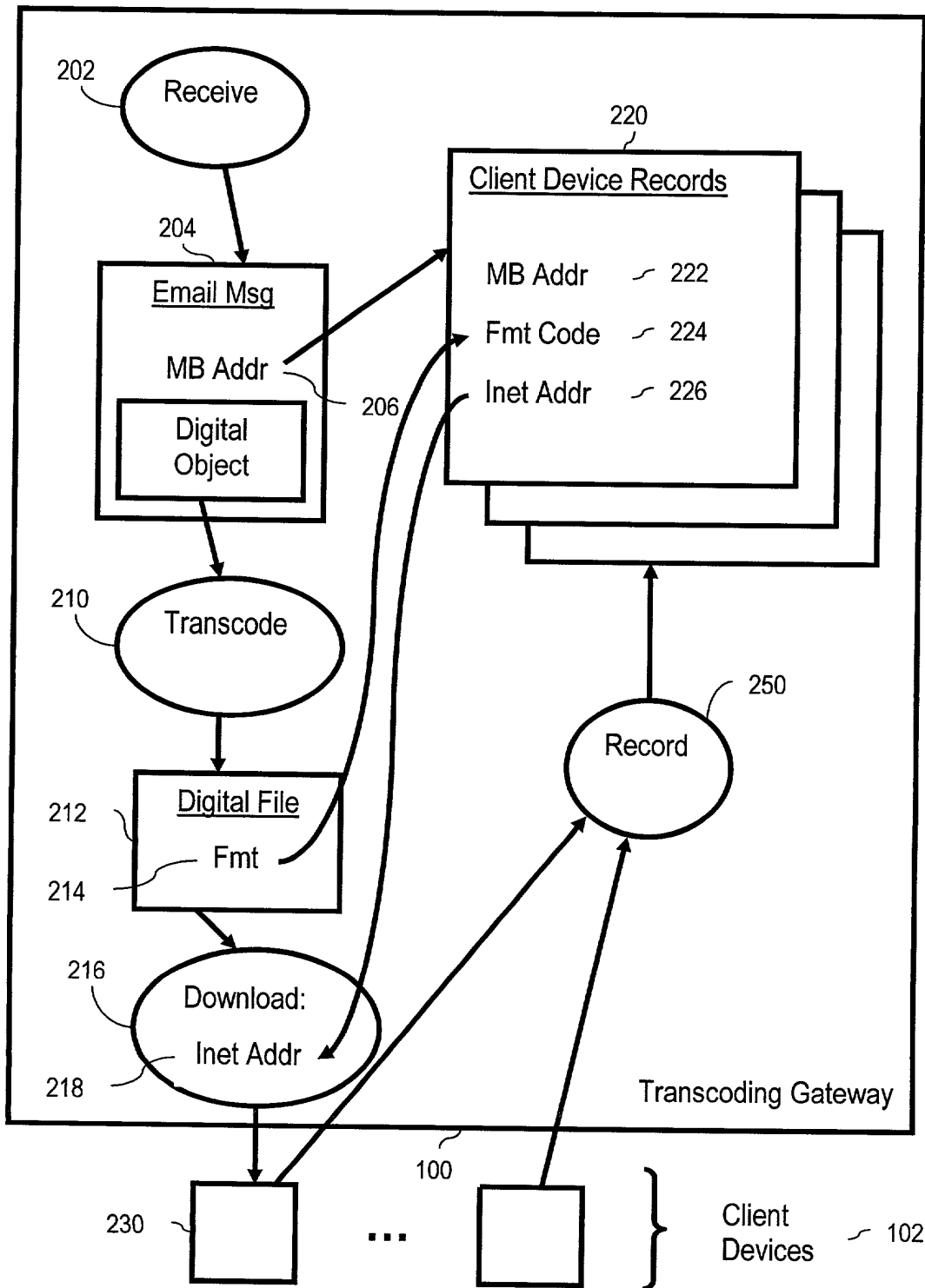


Figure 1a

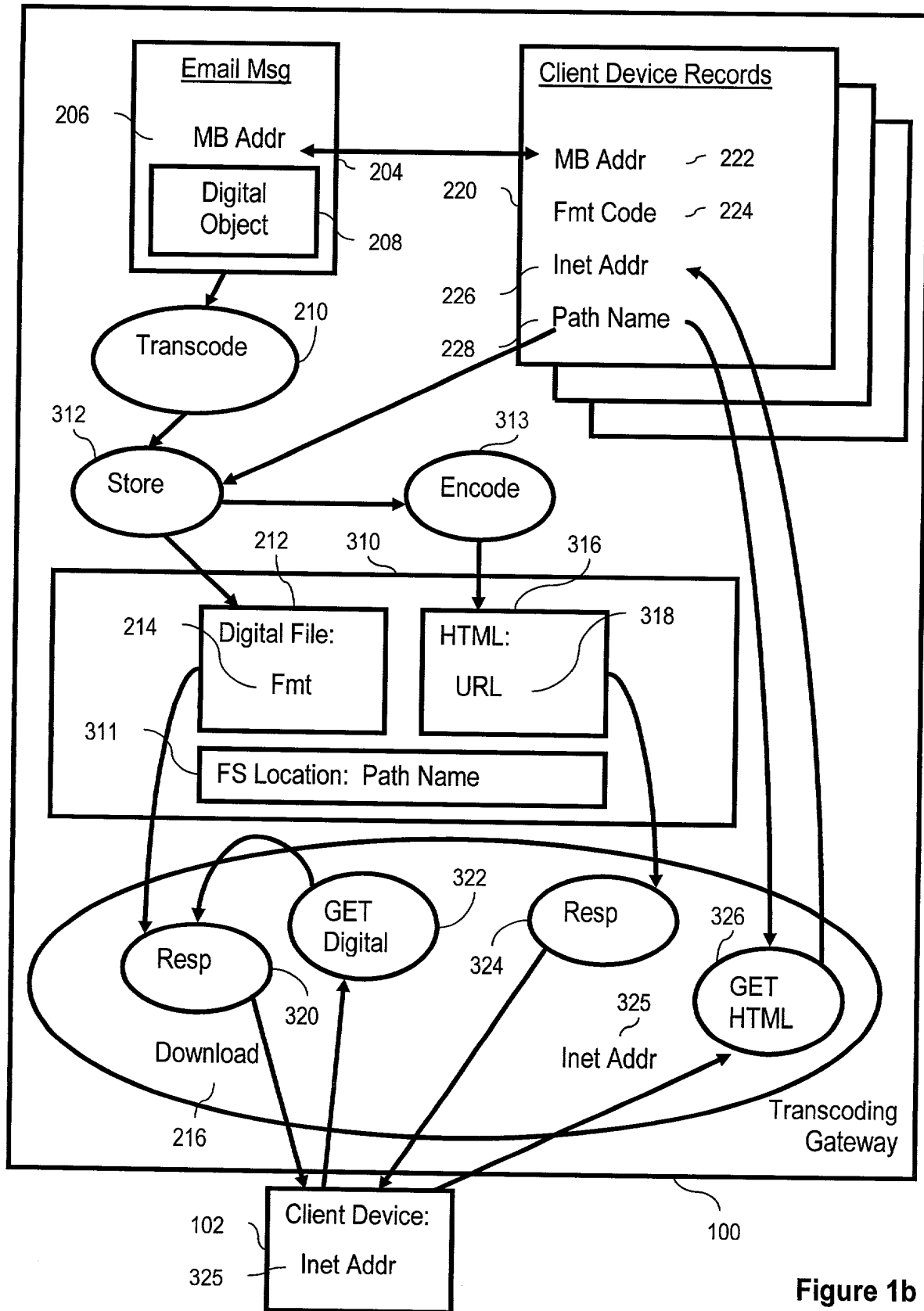


Figure 1b

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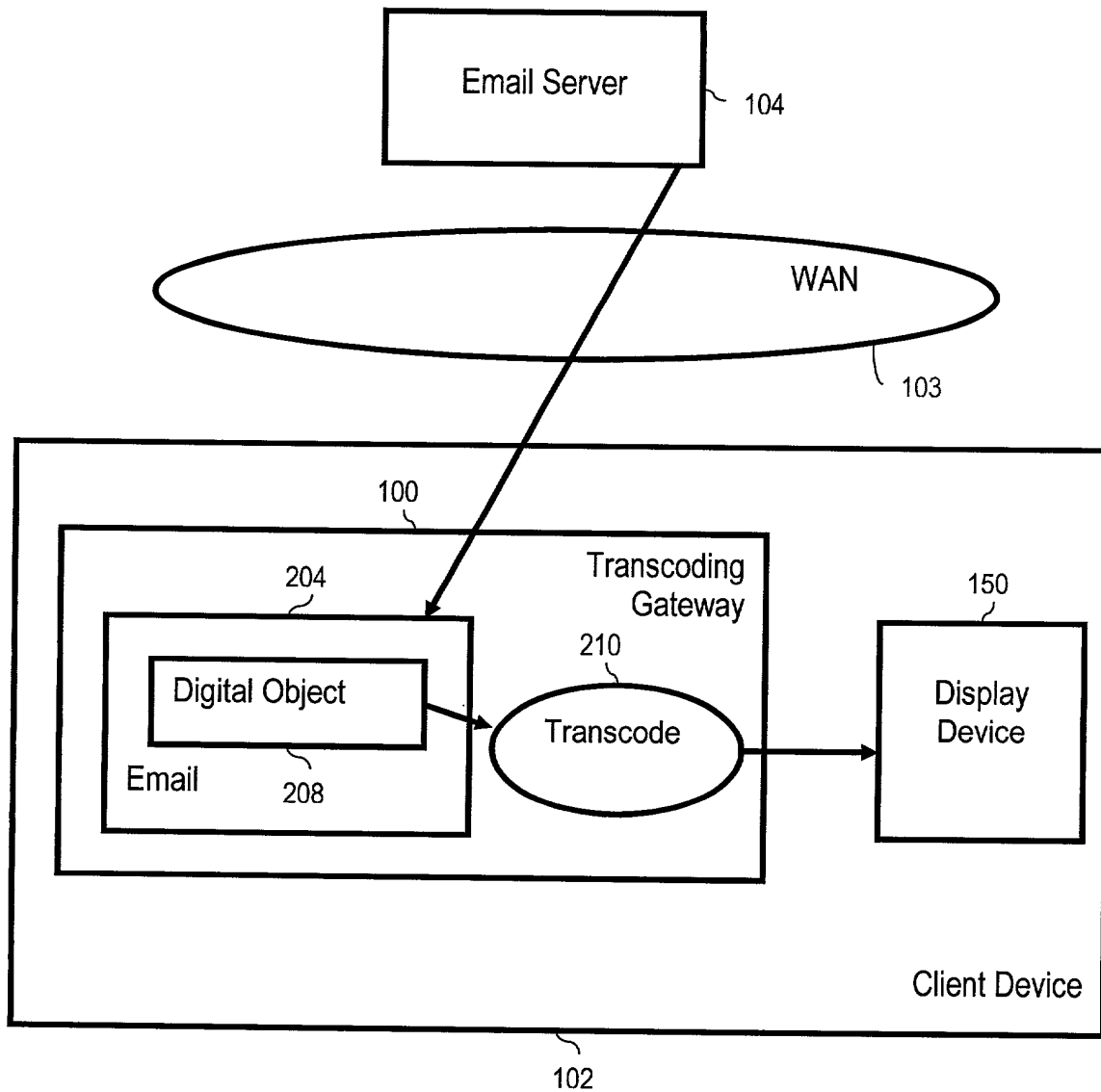


Figure 2

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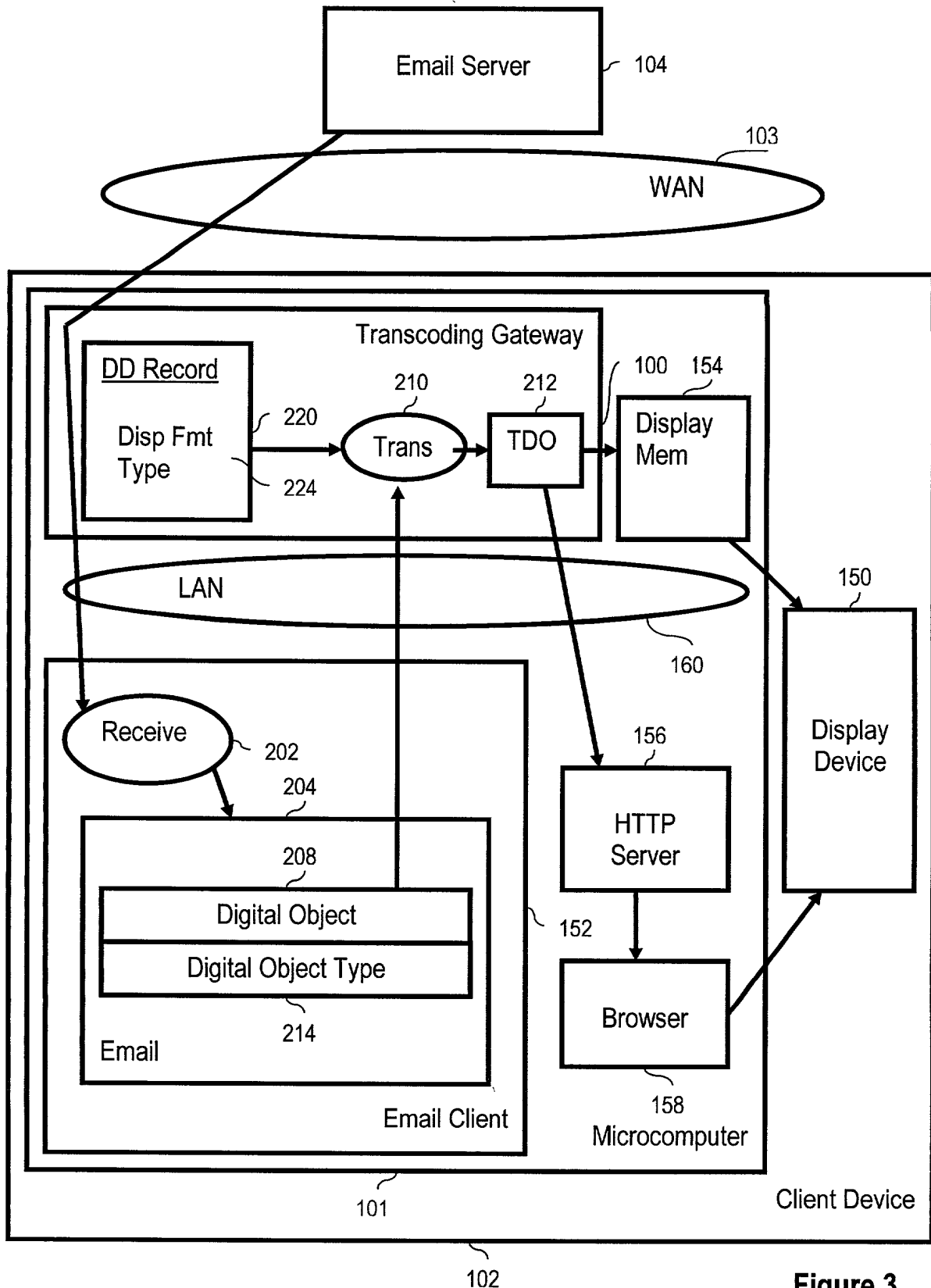


Figure 3

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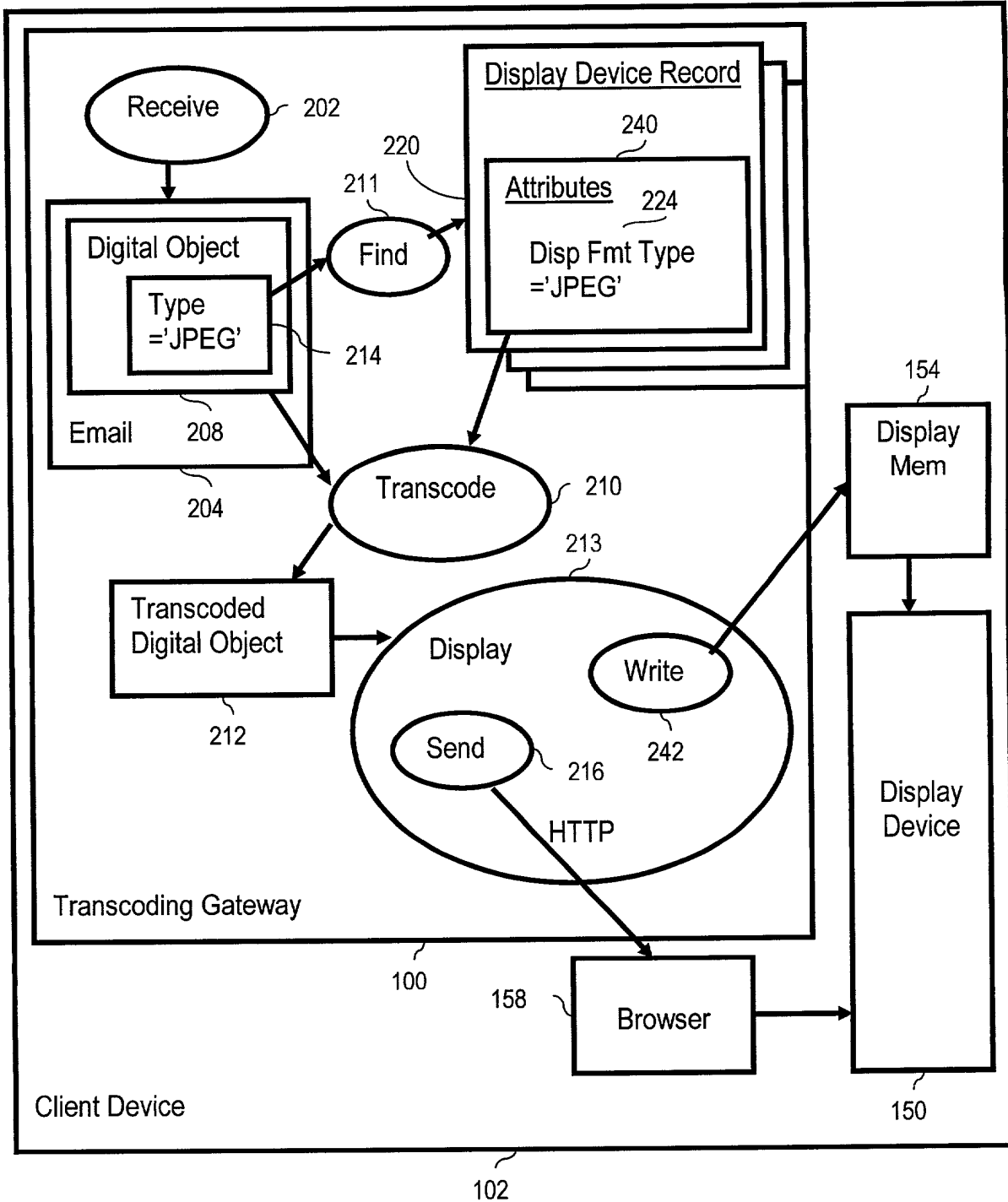


Figure 4

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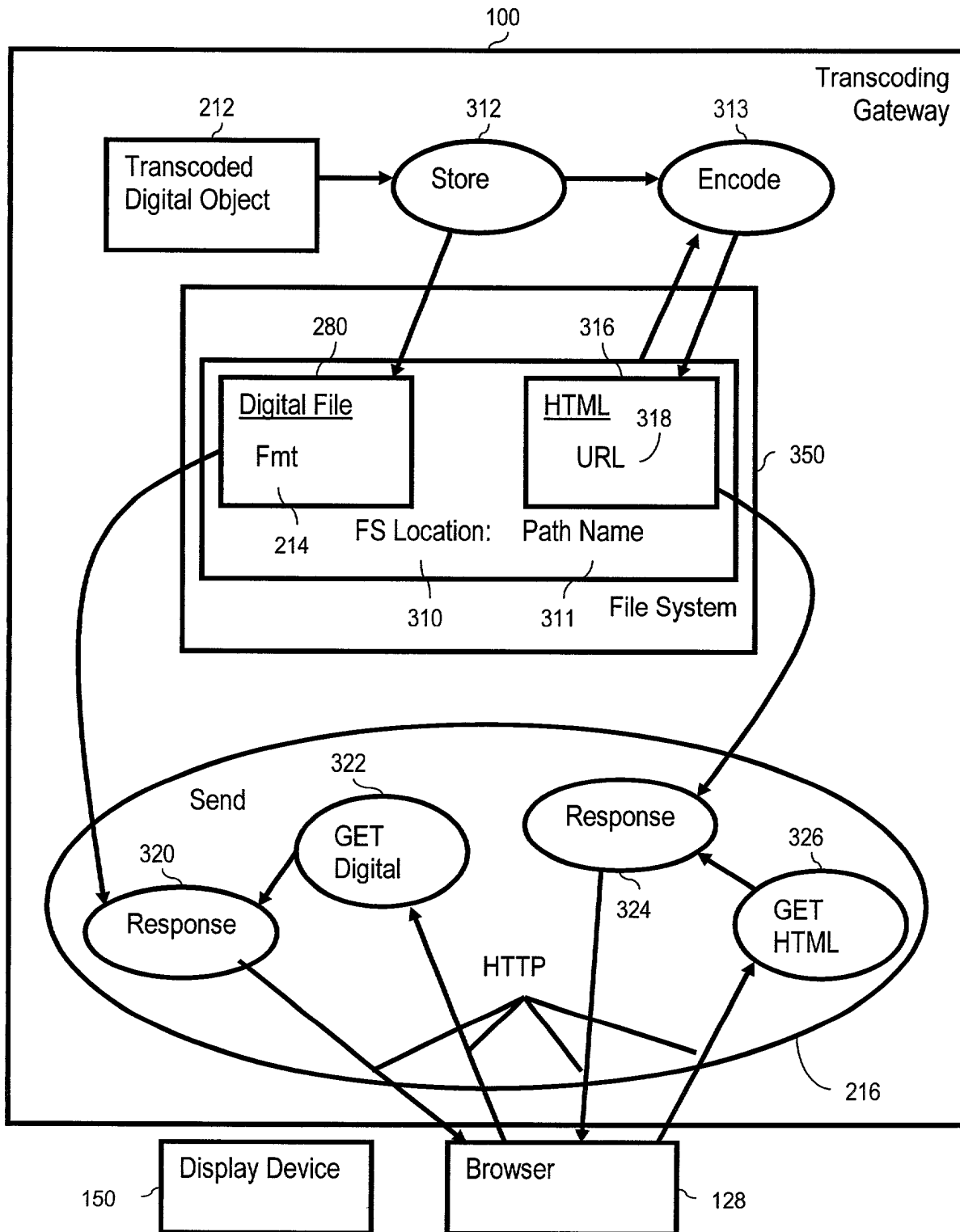


Figure 5

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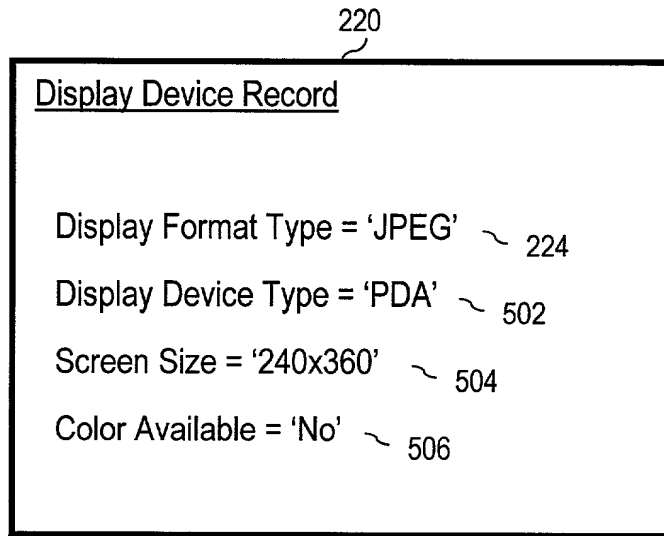


Figure 6

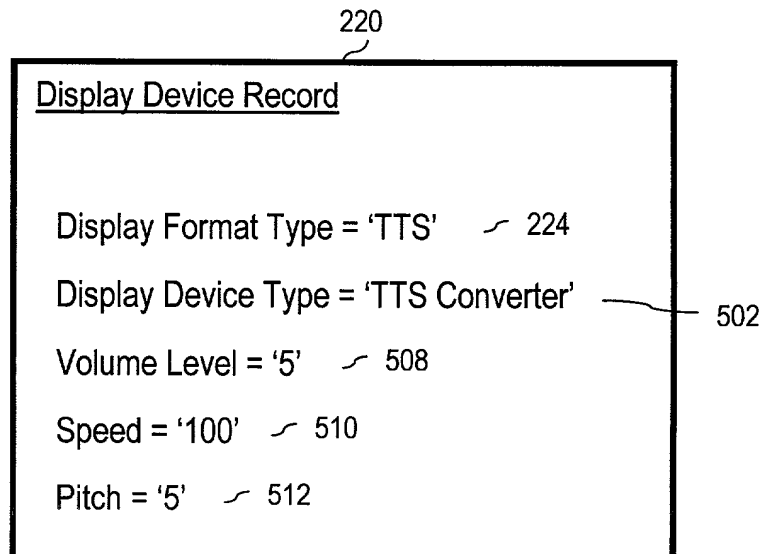


Figure 7

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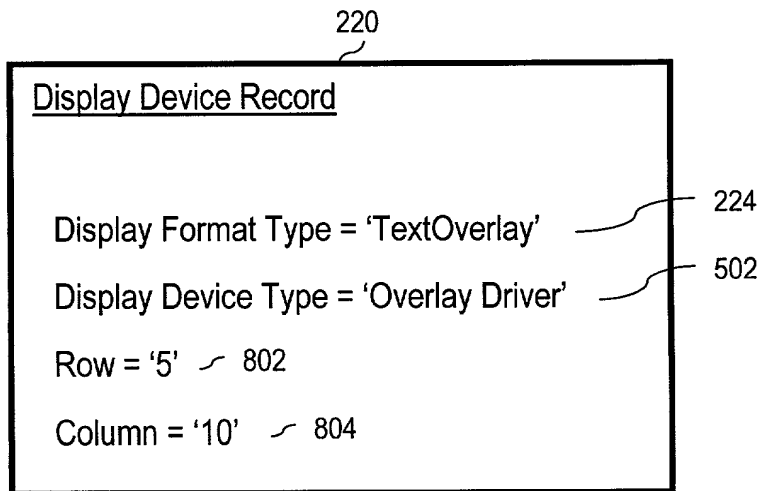


Figure 8

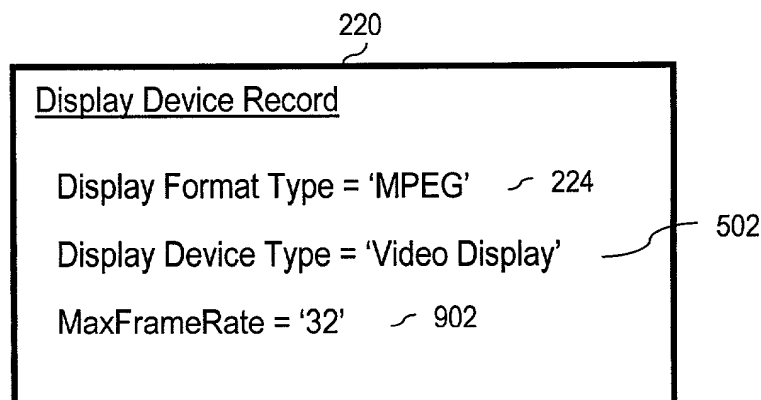


Figure 9

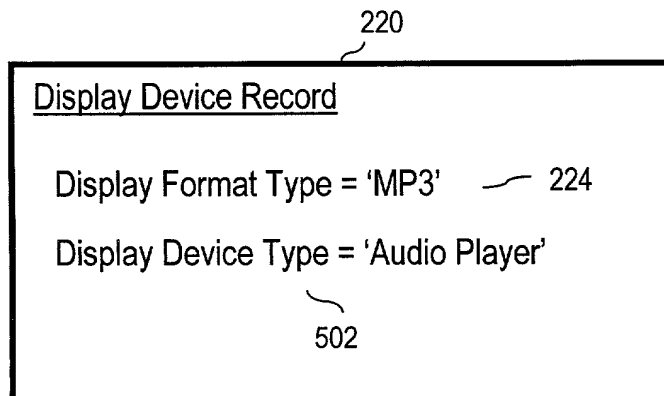


Figure 10

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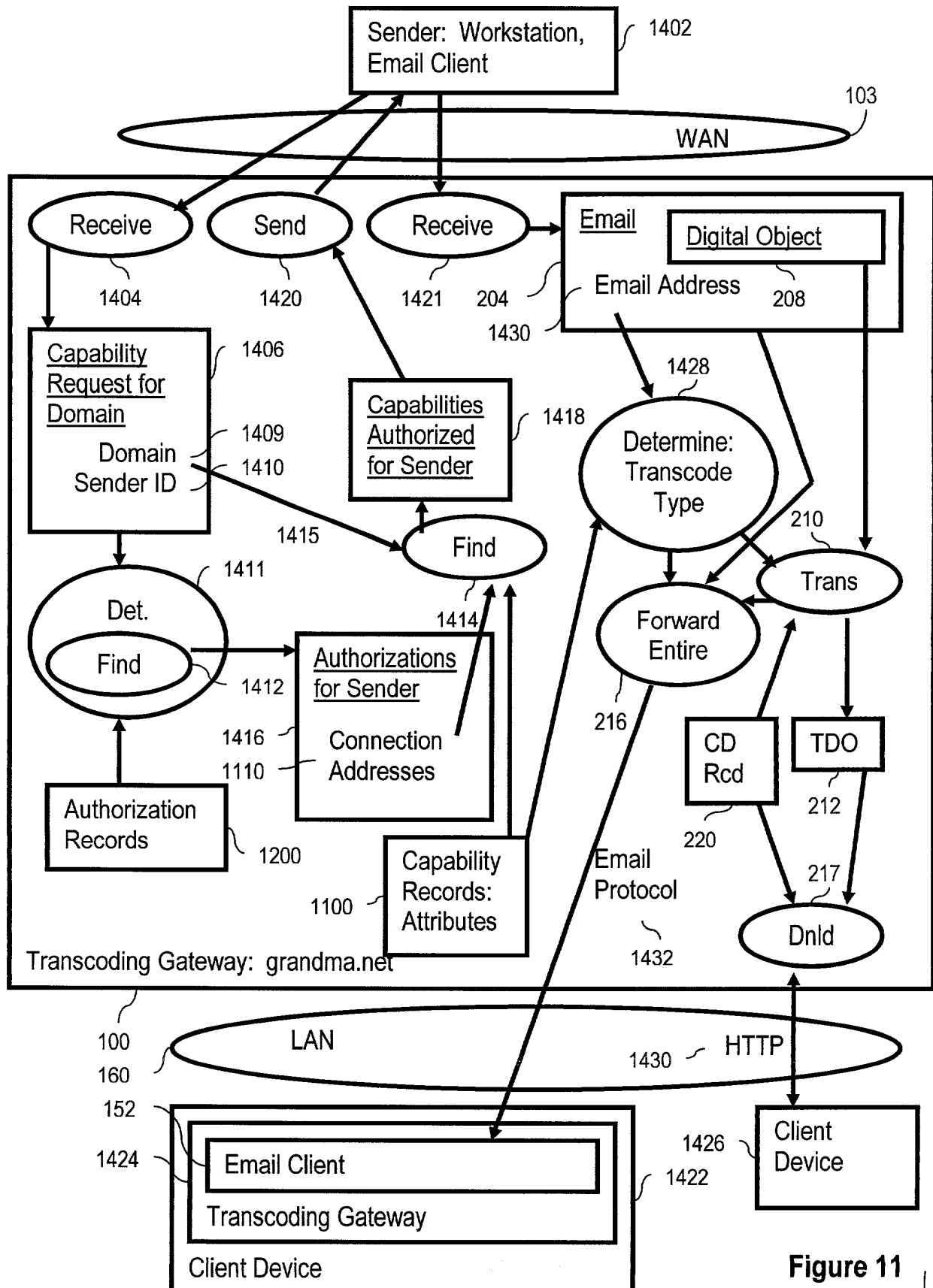


Figure 11

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Display Capability Records					
1102	1104	1106	1108	1110	1111
Capability ID	Capability Description	Domain	Connection Type	Connection Address	Transcode Type
1150	Video on Grandma's PC	grandma.net	Email	grandma@grandma.net	Forward
1152	Audio on Grandma's PC	grandma.net	Email	grandma@grandma.net	Forward
1154	Video on Grandma's TV	grandma.net	Email	gm-tv@grandma.net	Forward
1156	Audio on Grandma's TV	grandma.net	Email	gm-tv@grandma.net	Forward
1158	TTS in Grandma's Car	grandma.net	Email	gm-car@grandma.net	Forward
1160	Recipe Dtabse on Gma's Stove	grandma.net	Email	recipes@grandma.net	Forward
1162	Image on Grandma's PDA	grandma.net	Email	gm-PDA@grandma.net	Forward
1164	Image on DAF in Gma's Lv Rm	grandma.net	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1166	Txt Overlay on DAF in Gma's Lv Rm	grandma.net	HTTP	Gm-daf@grandma.net	Transcode Here & Fwd
1168	Audio on Gma's Stereo	grandma.net	HTTP	gm-stereo@grandma.net	Transcode Here
1170	Video Somewhere Else	some other.net	Email	x@someother.net	Forward
1172	Audio Player Coupled to this Gateway	some other.net	HTTP	y@someother.net	Transcode Here & Fwd
1174	TTS Somewhere Else	some other.net	Email	z@someother.net	Forward

Figure 12

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1200

Sender Authorization Records		
Domain: grandma.net		
1202 Authorization Record ID	1110 Connection Address	1204 Authorized Sender
1250	grandma@grandma.net	joe@grandson.net
1252	gm-tv.@grandma.net	joe@grandson.net
1254	gm-daf@grandma.net	joe@grandson.net
1256	gm-car@grandma.net	joe@grandson.net
1258	grandma@grandma.net	mike@soninlaw.net
1260	grandma@grandma.net	pete@favoritenephew.net
1262	gm-tv.@grandma.net	pete@favoritenephew.net
1264	gm-daf@grandma.net	pete@favoritenephew.net
1268	gm-car@grandma.net	pete@favoritenephew.net
1270	gm-PDA@grandma.net	pete@favoritenephew.net
1272	recipes@grandma.net	pete@favoritenephew.net

Figure 13

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Authorized Display Capabilities at grandma.net for joe@grandson.net

Video on Grandma's PC (grandma@grandma.net)
Audio on Grandma's PC (grandma@grandma.net)
Video on Grandma's TV (gm-tv.@grandma.net)
Image on DAF in Grandma's Living Room (gm-daf@grandma.net)
TTS in Grandma's Car (gm-car@grandma.net)

Okay

Figure 14

Virtual Address Forward Records		
1502 Virtual Address Forwarding Recording Record ID	1504 Virtual Address	1506 Corresponding Conventional Forwarding Address
1550	gm-daf@grandma.net	grandma@grandma.net
1552	gm-stereo@grandma.net	
1554	y@someother.net	z@someother.net

Figure 15

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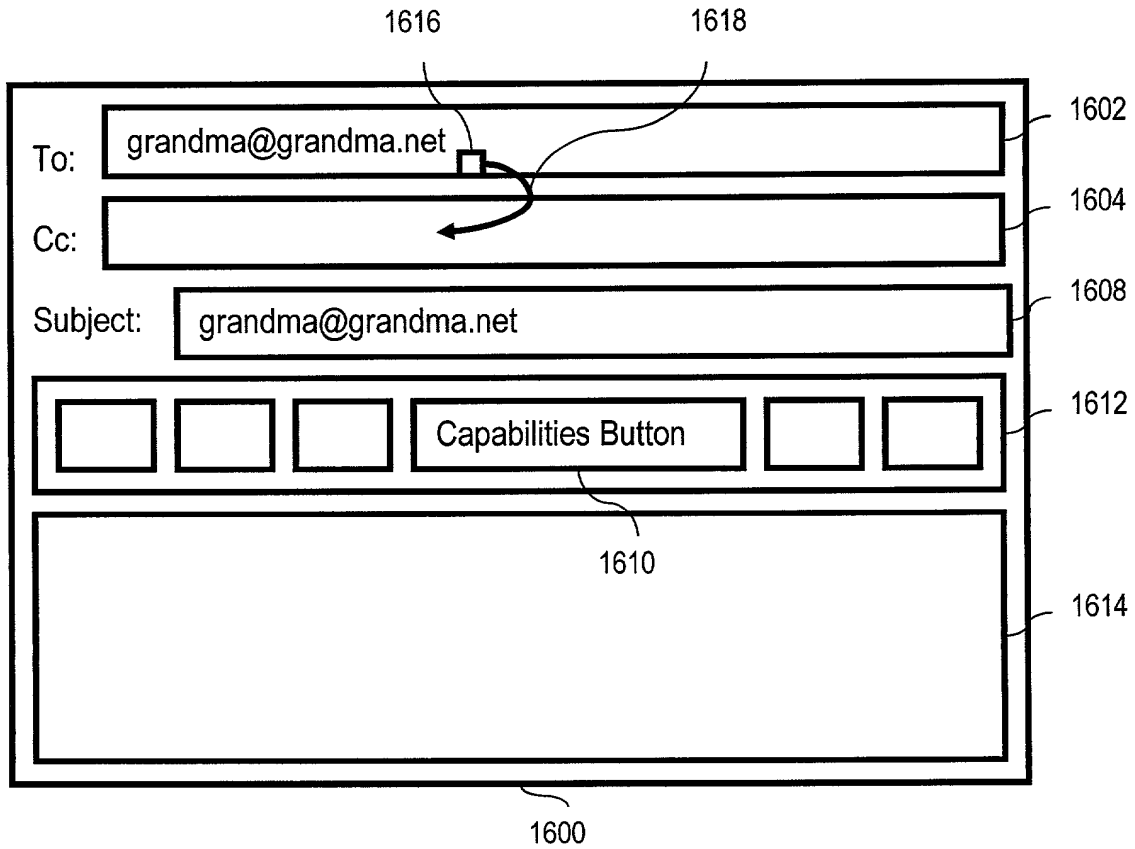


Figure 16

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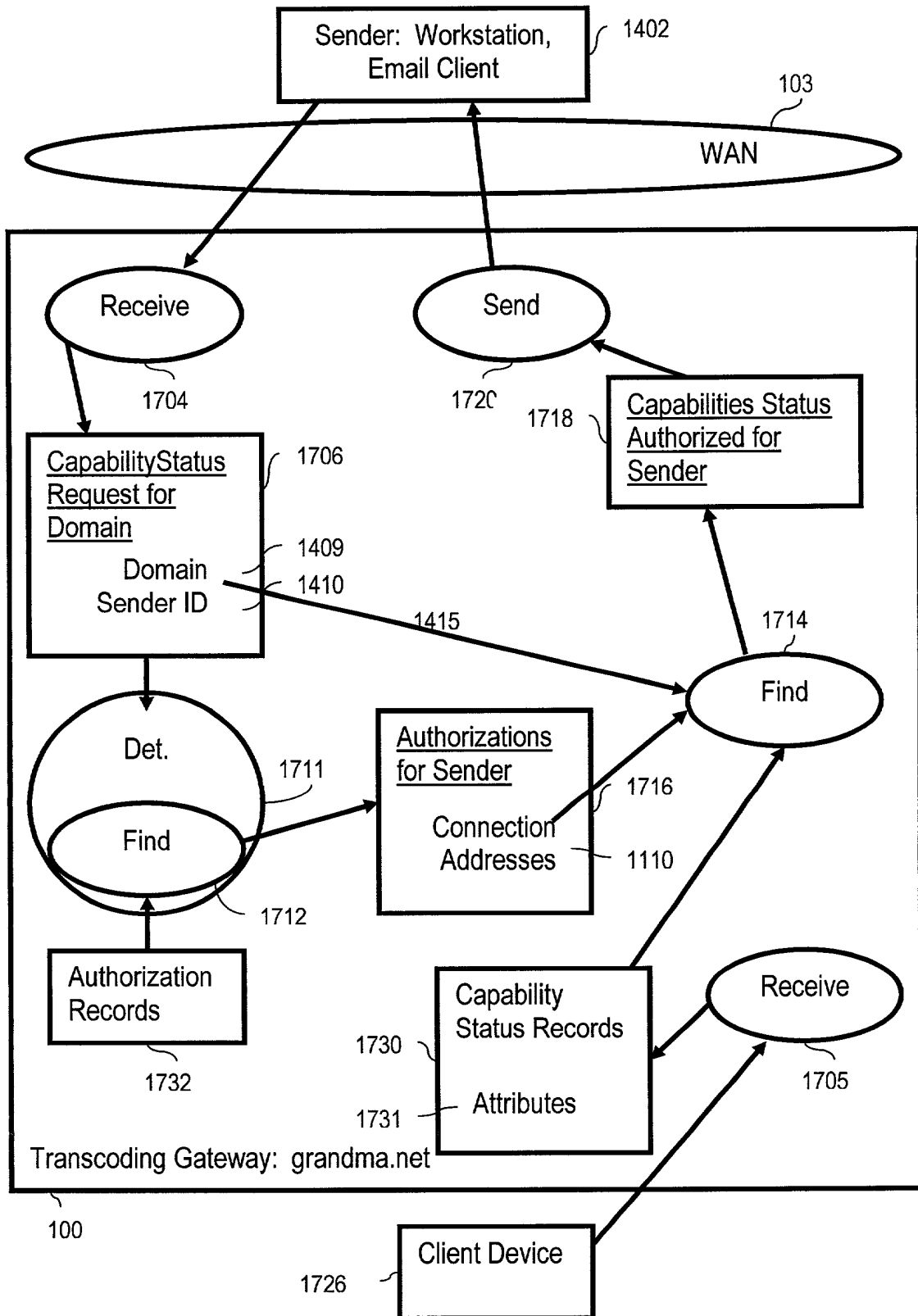


Figure 17

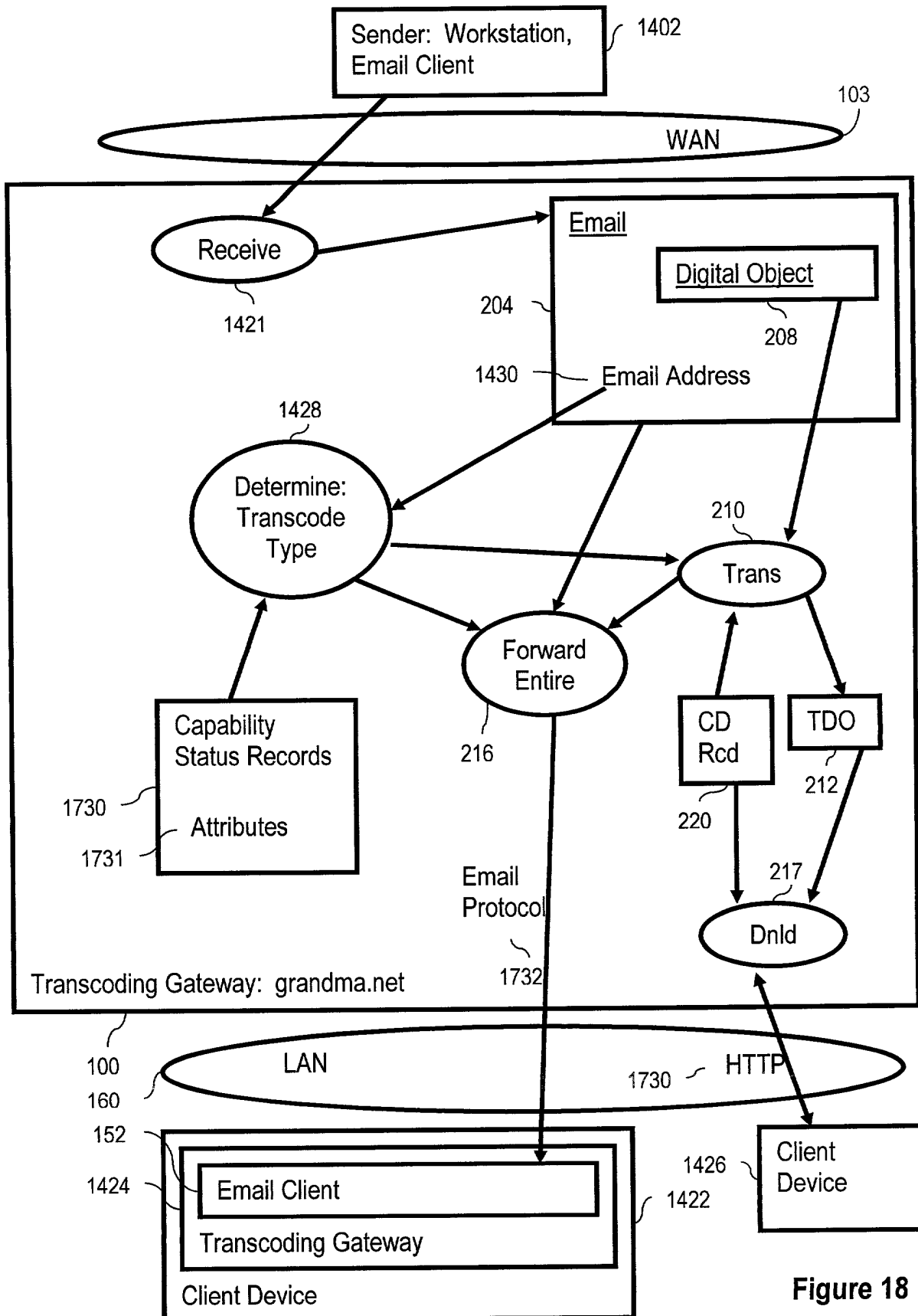


Figure 18

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Display Capability Status Records 1730 Domain: grandma.net 1409						
1102	1104	1904	1906	1108	1110	1111
Capability ID	Capability Description	Status: Availability	Status: Recent Usage	Connect Type	Connection Address	Transcode Type
1950	Video on Grandma's PC	Off	Yesterday	Email	grandma@grandma.net	Forward
1952	Audio on Grandma's PC	Off	Yesterday	Email	grandma@grandma.net	Forward
1954	Video on Grandma's TV	On	Last Week	Email	gm-tv@grandma.net	Forward
1956	Audio on Grandma's TV	On	Last Week	Email	gm-tv@grandma.net	Forward
1958	TTS in Grandma's Car	On	Yesterday	Email	gm-car@grandma.net	Forward
1960	Recipe Database on Gma's Stove	On	Last Week	Email	recipes@grandma.net	Forward
1962	Image on Grandma's PDA	On	Today, 3 Min. Ago	Email	gm-PDA@grandma.net	Forward
1964	Image on DAF in Gma's Living Rm	On	Yesterday	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1966	Text Overlay on DAF in Gma's Living Room	On	Yesterday	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1968	Audio on Grandma's Stereo	Off	Yesterday	HTTP	gm-stereo@grandma.net	Transcode Here

Figure 19

Sender Authorization Records		
Domain: grandma.net		
1202	1110	2002 1204
Authorization Record ID	Connection Address	Authorized Sender
2050	grandma@grandma.net	joe@grandson.net
2052	gm-PDA.@grandma.net	joe@grandson.net
2054	gm-daf@grandma.net	joe@grandson.net
2056	gm-car@grandma.net	joe@grandson.net
2058	grandma@grandma.net	mike@soninlaw.net
2060	grandma@grandma.net	pete@favoritenephew.net
2062	gm-tv.@grandma.net	pete@favoritenephew.net
2064	gm-daf@grandma.net	pete@favoritenephew.net
2068	gm-car@grandma.net	pete@favoritenephew.net
2070	gm-PDA@grandma.net	pete@favoritenephew.net
2072	recipes@grandma.net	pete@favoritenephew.net

Figure 20

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Authorized Display Capabilities Statuses at grandma.net for joe@grandson.net

Video on Grandma's PC (grandma@grandma.net) – Off – Last Used Yesterday
Audio on Grandma's PC (grandma@grandma.net) – Off – Last Used Yesterday
Image on Grandma's PDA (gm-PDA@grandma.net) – On – Last Used 3 Min. Ago
Image on DAF in Grandma's Living Room (gm-daf@grandma.net) – On – Last Used Yesterday
Text Overlay on DAF in Grandma's Living Room (gm-daf@grandma.net) – On – Last Used Yesterday
TTS in Grandma's Car (gm-car@grandma.net) – On – Last Used Yesterday

Okay

Figure 21

1500

Virtual Address Forward Records		
1502 Virtual Address Forwarding Record ID	1504 Virtual Address	1506 Corresponding Conventional Forwarding Address
1550	gm-daf@grandma.net	grandma@grandma.net
1552	gm-stereo@grandma.net	
1554	y@someother.net	z@someother.net

Figure 22

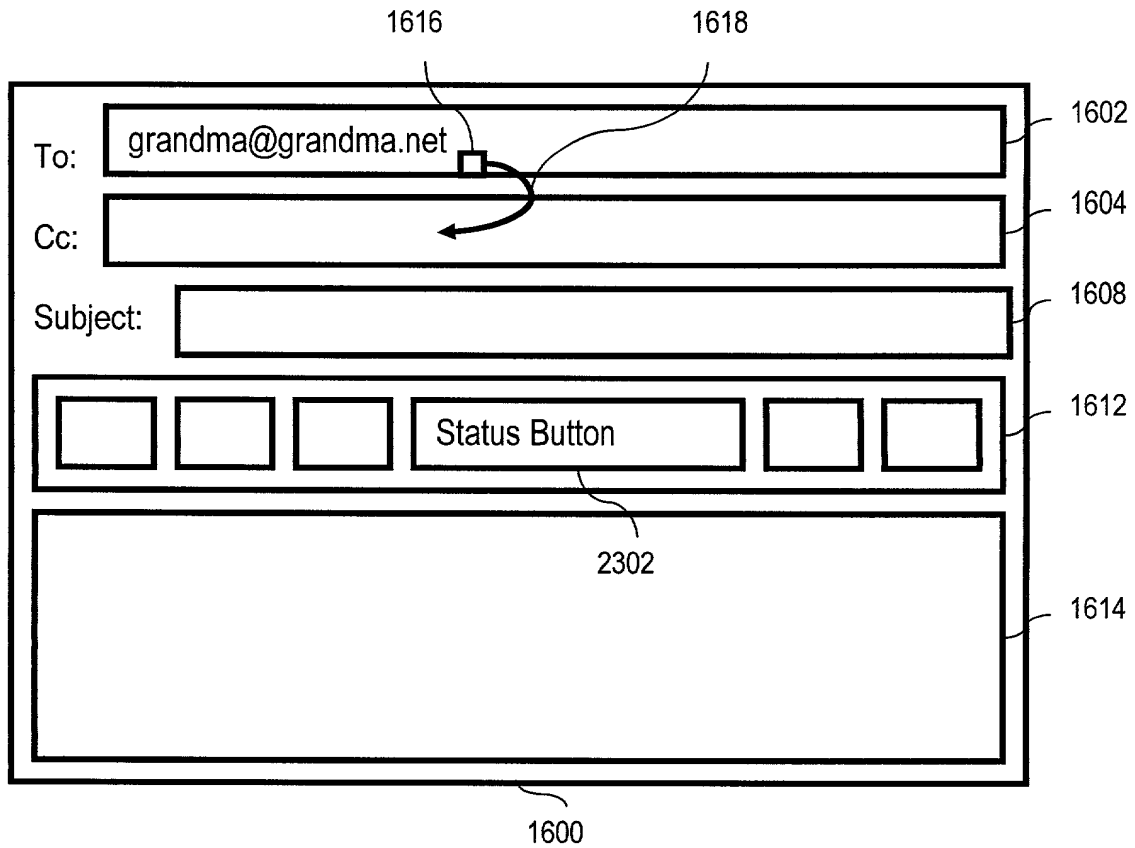


Figure 23

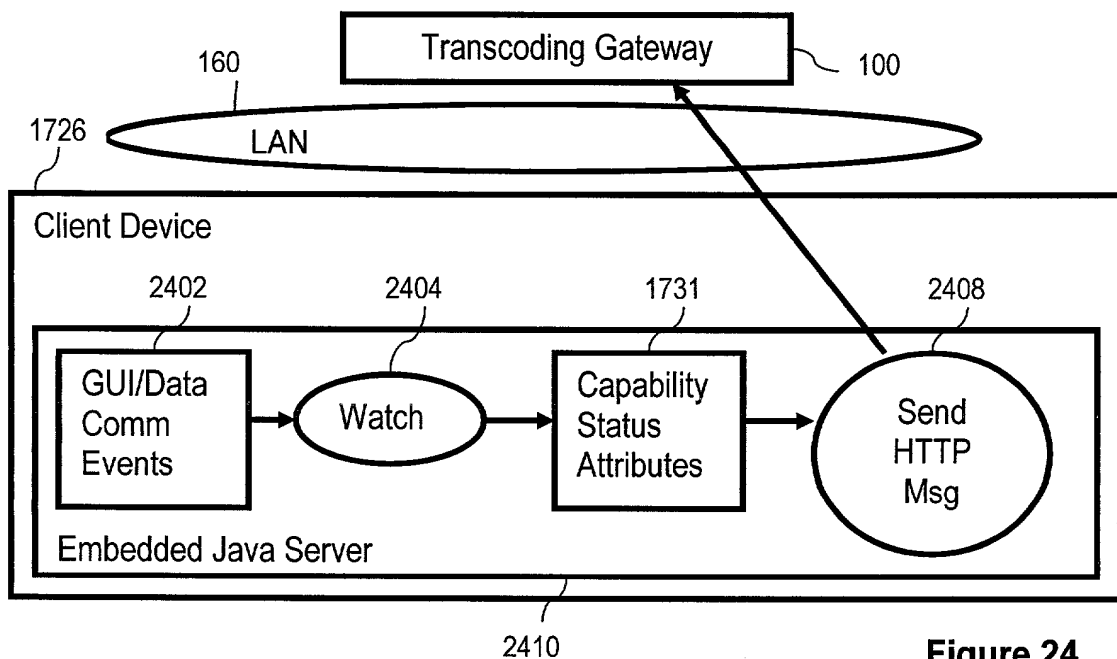


Figure 24

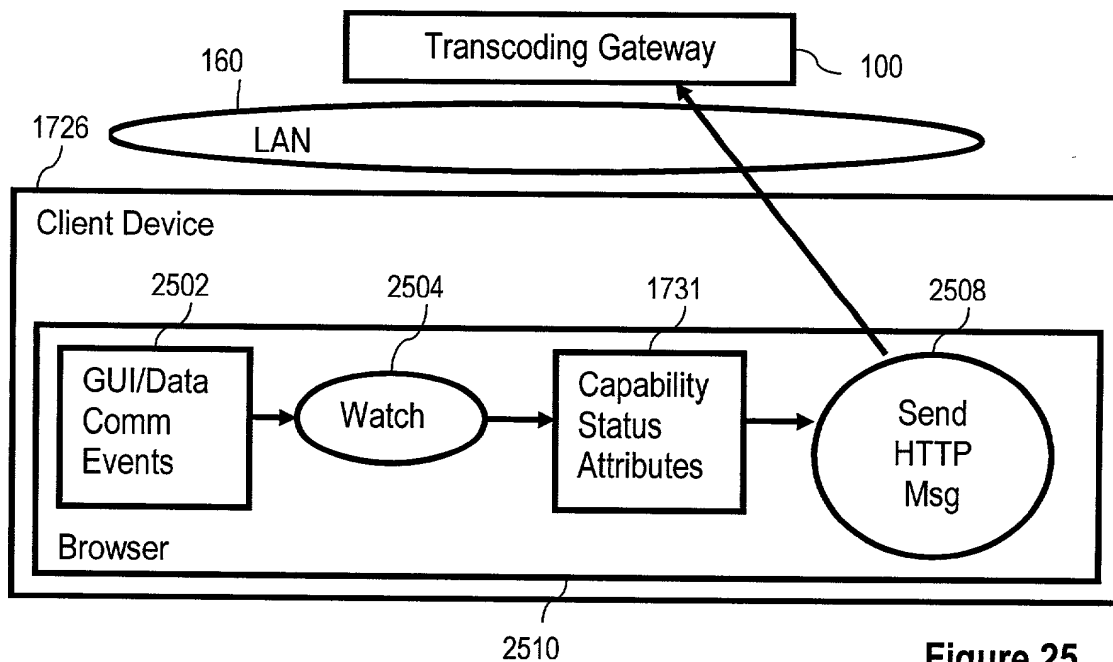


Figure 25

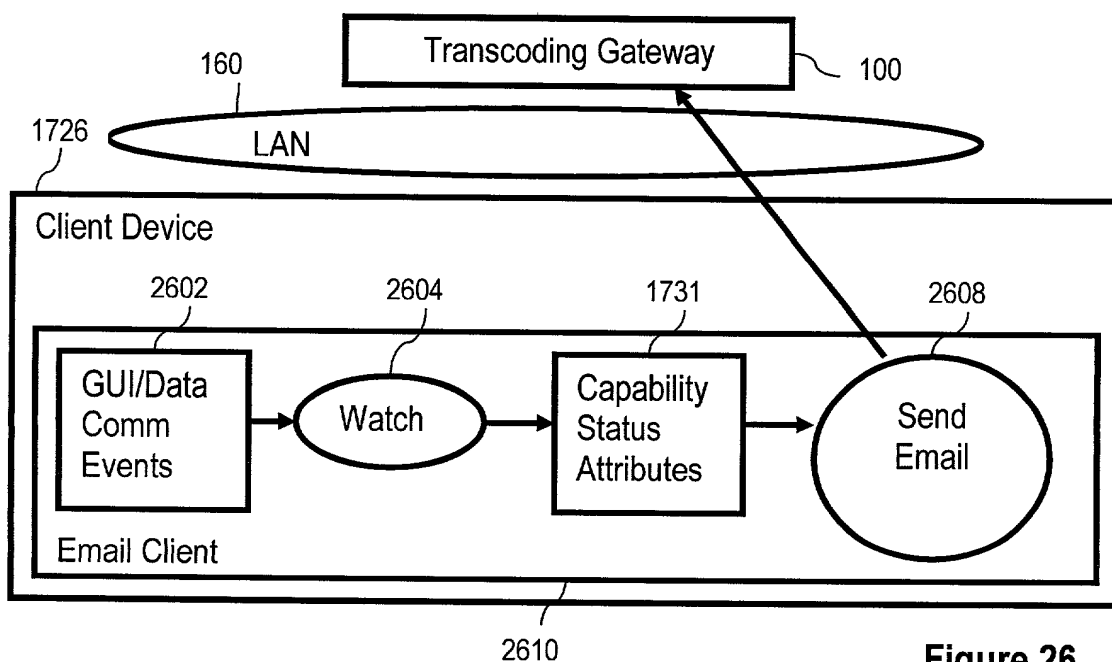


Figure 26

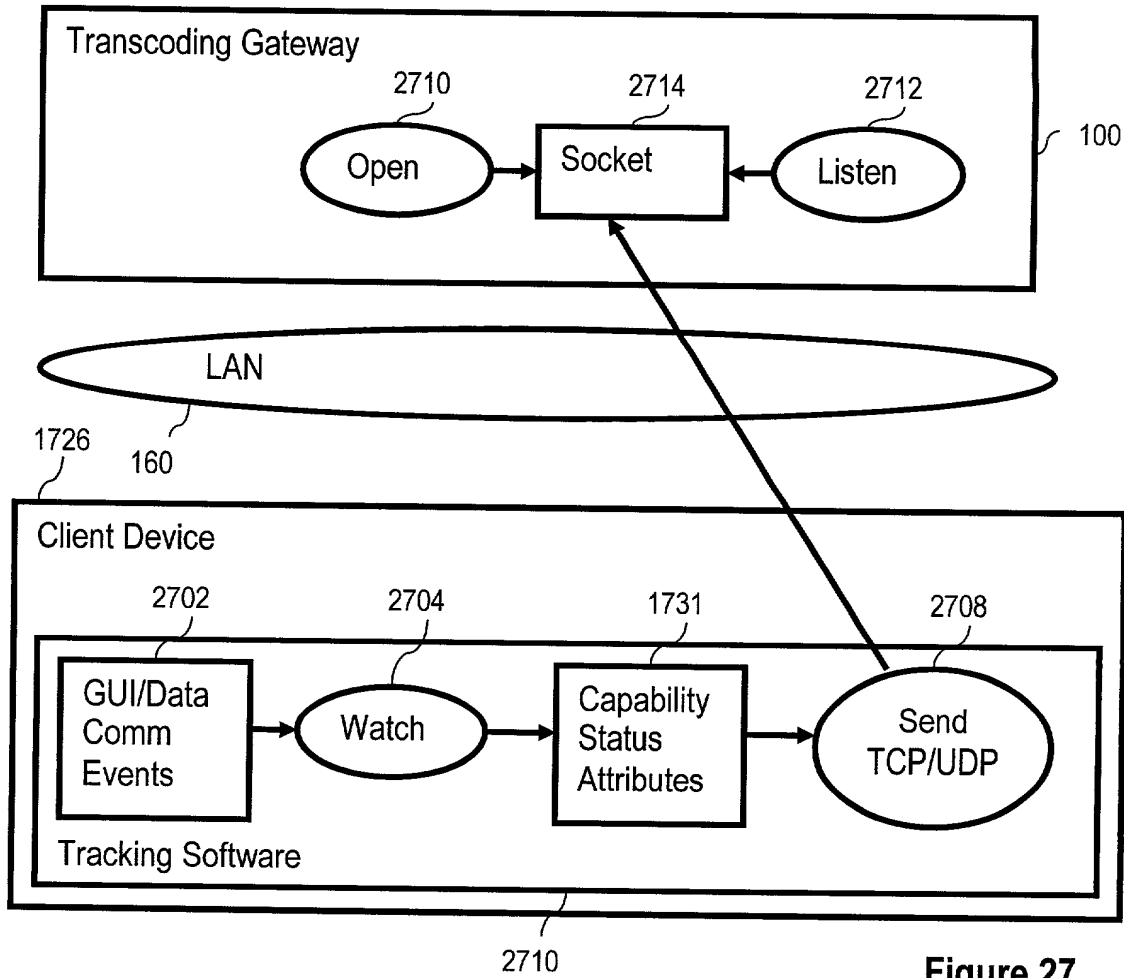


Figure 27